

### **REMARKS**

Applicants would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office Action, and amended as necessary to more clearly and particularly describe the subject matter that Applicants regard as the invention.

Claims 1–11 were rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,249,740 to Ito et al. (hereinafter “Ito”). Claim 1 has been amended to clarify that the method includes a *first* digital map of a transmission system and a *second* digital map of a receiver. For the following reasons, Applicant respectfully traverses the rejection and requests reconsideration of the claims.

Regarding claim 1, Ito does not teach “A location information transmission method for reporting on-road location information on *a first digital map* by an information transmission system, comprising the steps of...receiving said on-road location information *by a receiver having a second digital map*,” as required. According to Ito, a navigation base apparatus (transmission side) stores map data and transmits the map data to a receiving side that does not have map data. Thus, Ito does not disclose that the transmitting side and the receiving side each have digital maps as required by claim 1.

Further, regarding claim 1, Ito does not teach “performing shape matching *to identify said road section on the second digital map* of the receiver based on the string of coordinates line information and the additional information,” as required. In Ito map matching is performed for matching a vehicle’s position with a position on map data received from the navigation base apparatus. By contrast, as set forth in claim 1, the shape matching is performed for matching a road section, which is defined by the first digital map stored in the transmitting side, with the

second digital map stored in the receiving side. Because the receiving side of Ito does not have map data, the shaped matching of claim 1 is not carried out by the system disclosed in Ito.

For all of the reasons explained above, every limitation of claim 1 is not taught by Ito. Therefore, claim 1 and claims 2-7 and 11, which depend therefrom, are not anticipated by Ito. Thus, Applicants respectfully request withdrawal of the rejection and reconsideration of the claims.

Further, regarding claim 8, Ito does not teach each of the limitations of the claim, as required. Specifically, claim 8 requires, in part:

determining whether the bearing deviation,  $d_n$ , of an interpolation point,  $P_n$ , of said string of coordinates from a preceding interpolation point,  $P_{n-1}$ , of said string of coordinates is smaller than a predetermined angle,  $\alpha$ ;

determining whether a distance,  $g_n$ , of the interpolation point,  $P_n$ , from the preceding interpolation point,  $P_{n-1}$ , is shorter than a predetermined length,  $\beta$ ; and

omitting the interpolation point,  $P_n$ , from the string of coordinates if both  $d_n < \alpha$  and  $g_n < \beta$  as determined in the determining steps;

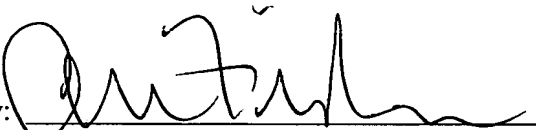
Each of these limitations is not taught by the disclosure of Ito. As recited, claim 8 requires specific steps to be performed. None of the disclosure cited by the Examiner describes these specific limitations. For example, the Examiner cited column 8, lines 31-35 of Ito as “omitting the interpolation point,  $P_n$ , from the string of coordinates if both  $d_n < \alpha$  and  $g_n < \beta$  as determined in the determining steps” as required by claim 8. The cited disclosure of Ito merely describes that detailed guidance data is provided around course change points and that all other areas are simplified. Ito does not specifically describe how the guidance data is simplified or what data is omitted. Moreover, Ito does not specify that interpolation points are omitted “if both  $d_n < \alpha$  and  $g_n < \beta$ ” as specifically required by the claims. For at least this reason, Applicants respectfully submit that every limitation of claim 8 is not taught by Ito as required. Therefore, claim 8 and its dependent claims 9 and 10 are not anticipated by Ito.

In light of the foregoing, it is respectfully submitted that the present application is in condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 34408.

Respectfully submitted,

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